



MiniBooNE Computing

Timeline: end of run (2005), end of run+2 years (estimated) for offline related issues.

CD personel committed: P. Spentzouris (~15%)

Summary: In the past most of the effort went into designing the M'BooNE Computing model, and utilizing available resources.

- ➔ try to set up the rules of communication CD <-> M'BooNE
no defined resources to manage (original MOU mostly covered DAQ)
- ➔ update MOU (will need to finalize & sign); would like to document the “rules”...

System components (status)

- AFS Project area – experiment -(OK)
- Enstore, & monitoring scheme - experiment – (OK)
- CVS repository -experiment- (OK)
- FARMS (100 nodes) -CD- (OK)
 - × usage <1 week/month @ 100%)
- FNALU -CD- (not utilized)
- Local workstations (50 CPUs/Condor) -experiment- (OK)
- Networking: Detector, control room, WH10W -CD- (OK/100Mbit for 10th floor???)
- DAQ -experiment, CD (hardware)- (OK)
- Online -experiment, CD (hardware) (need hardware...)

support/maintenance of above -CD- [no issues/AFS future???)
(all but local workstations -experiment-)

Software

- Offline -experiment, CD- (Phase 1 OK)
 - ♦ mixed language (f77, C++), Root, mySQL
 - ♦ Controls, Event Model, Design -CD-
 - ♦ Pattern Recognition, Reconstruction –experiment
 - ➔ will need help with “data set” level reconstruction and consulting for bug fixes, etc
- ♦ Online/nearline -experiment- (OK)
 - ♦ re-uses most of offline components, but not Root (Tcl/Tk and Hbook)
- ♦ Event display -CD- (separate project)
- ♦ DAQ (real time linux) -experiment- (OK)
 - ♦ have “friendly terms”, no-CD-commitment, consulting agreement